

Title (en)  
Rechargeable battery

Title (de)  
Wiederaufladbare Batterie

Title (fr)  
Batterie rechargeable

Publication  
**EP 2228849 A1 20100915 (EN)**

Application  
**EP 10155459 A 20100304**

Priority  
• US 15752209 P 20090304  
• US 62645109 A 20091125

Abstract (en)  
Disclosed is a rechargeable battery (10) including an electrode assembly (20), and a case (12) mounting the electrode assembly (20) therein. The electrode assembly (20) includes a separator (23), and first and second electrodes (21, 22) disposed on respective sides of the separator (23). The case (12) has an opening formed at the one-sided end thereof, and a variable region (121) that is capable of being elongated depending upon the variation in inner pressure. A plate is inserted into the opening of the case (12), and a terminal is electrically connected to the electrode assembly and exposed to the outside of the plate.

IPC 8 full level  
**H01M 2/02** (2006.01); **H01M 2/34** (2006.01); **H01M 50/103** (2021.01); **H01M 50/574** (2021.01)

CPC (source: EP KR US)  
**H01M 50/103** (2021.01 - EP KR US); **H01M 50/133** (2021.01 - KR); **H01M 50/174** (2021.01 - EP KR US); **H01M 50/543** (2021.01 - KR); **H01M 50/574** (2021.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

Citation (search report)  
• [A] US 4224385 A 19800923 - CILIBERTI JR FRANK L, et al  
• [A] KR 20070091872 A 20070912 - LG CHEMICAL LTD [KR]  
• [A] US 3993507 A 19761123 - HARDIGG JAMES S  
• [A] EP 1195822 A2 20020410 - NISSHIN SPINNING [JP], et al

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EP2602840A4; DE102015209069A1; DE102012208470A1; WO2013174590A1; DE102012205553A1; WO2013149763A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**US 2010227215 A1 20100909**; **US 8697275 B2 20140415**; CA 2754049 A1 20100910; CA 2754049 C 20210803; CN 101826629 A 20100908; CN 101826629 B 20131106; EP 2228849 A1 20100915; EP 2228849 B1 20121114; JP 2010205729 A 20100916; JP 5383552 B2 20140108; KR 101106998 B1 20120125; KR 20100100575 A 20100915; WO 2010099598 A1 20100910

DOCDB simple family (application)  
**US 62645109 A 20091125**; CA 2010000266 W 20100303; CA 2754049 A 20100303; CN 201010106999 A 20100129; EP 10155459 A 20100304; JP 2010040775 A 20100225; KR 20090118022 A 20091201